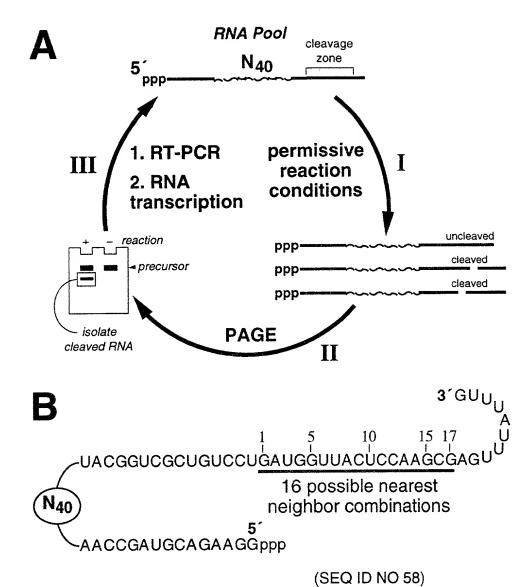
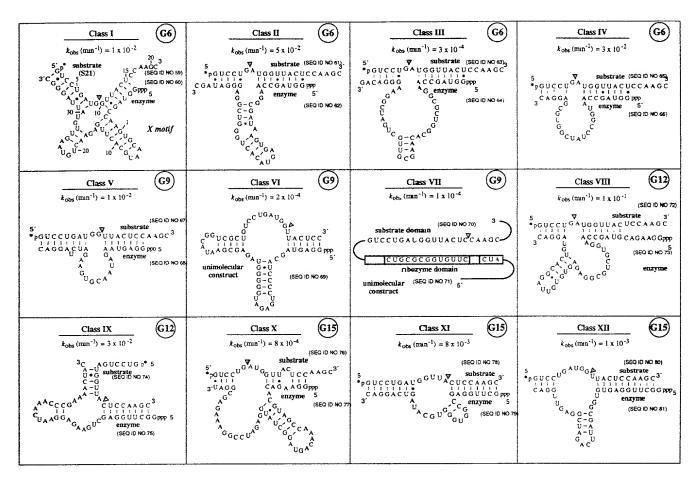
Figure 1

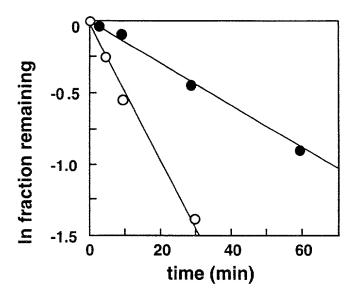


## Figure 2

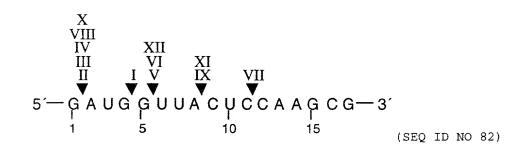


## Figure 3





В



## Figure 4

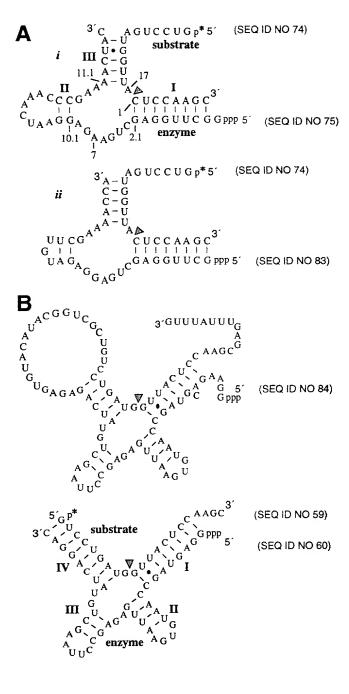


Figure 5

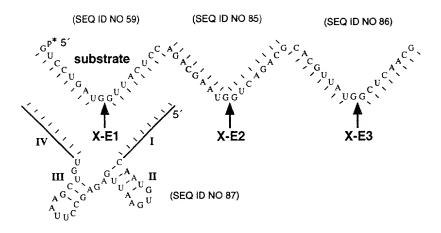


Figure 6: Class V ribozyme 2'-0-methyl core "walk"

Rate for 6@7 2'-O-Me arms and all ribo core  $K_{obs}$  = 0.056 and 0.058 min <sup>-1</sup> Rate for all 2'-O-Me enzyme with A14.1 = ribo  $K_{obs}$  = 0.00008 min <sup>-1</sup>

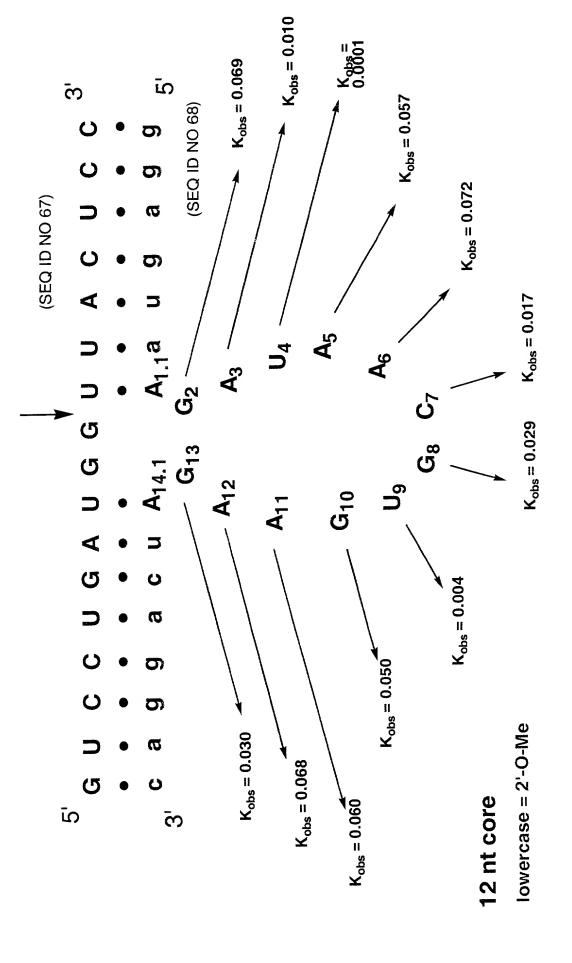
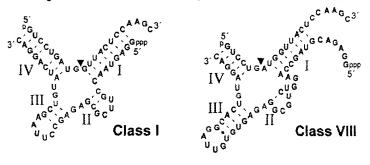


Figure 7: Class I and VIII Sequence and Structural Similarities



Class I motif cleavage site

- 1 = A or U 2 = complementary to 1 3 = G, A or U 4 = complementary to 3

